

#5

Plasmid: NFIF14B
Amino Acids: 453

MALVRALVCCLLTAWHCRSG	20
LGLPVAPAGGRNPPPAIGQF	40
WHVTDLHLDPTYHITDDHTK	60
VCASSKGANASNPFGDVL	80
CDSFYQLILSAFDFIKNSGQ	100
EASFMIWTGDSPPHVPVPEL	120
STDTVINVITNMTTTIQSLF	140
PNLQVFPALGNHDYWPQDQL	160
SVVTSKVYNAVANLWKPWLD	180
EEAISTLRKGGFYSSQKVTTN	200
PNLRIISLNTNLYYGNIMT	220
LNKTDPANQFEWLESTLNNS	240
QQNKEKVYIIAHVPVGYLPS	260
SQNITAMREYYNEKLIDIFQ	280
KYSDVIAGQFYGHTHRDSIM	300
VLSDKKGSPVNSLFVAPAVT	320
PVKSVLEKQTNNPGIRLFQY	340
DPRDYKLLDMLQYYLNLTEA	360
NLKGESIWKLEYILTQTYDI	380
EDLPESLYGLAKQFTILDS	400
KQFIKYNYFFVSYDSSVTC	420
DKTCKAFQICAIMNLDNISY	440
ADCLKQLYIKHNY	460

FIGURE 1

Plasmid: NFIF7A
Amino Acids: 364

MALVRALVCCLLTAWHCRSG	20
LGLPVAPAGGRNPPPAIGQF	40
WHVTDLHLDPTYHITDDHTK	60
VCASSKGANASNPGPFGDVL	80
CDSFYQLILSAFDFIKNSGQ	100
EASFMIWTGDSPPHVPVPEL	120
STDTVINVITNMTTTIQSLF	140
PNLQVFPALGNHDYWPQVYI	160
IAHVPVGYLPSSQNITAMRE	180
YYNEKLIDIFQKYS DVIAGQ	200
FYGHTHRDSIMVLSDKKGSP	220
VNSLFVAPAVTPVKS VLEKQ	240
TNPNPGIRLFQYDPRDYKLLD	260
MLQYYLNLTEANLKGESIWK	280
LEYILTQTYDIEDLQPESLY	300
GLAKQFTILDSKQFIKYINY	320
FFVSYDSSVTCDKTCKAFQI	340
CAIMNLDNISYADCLKQLYI	360
KHNY	380

FIGURE 2

1	ATGGCGCTGGTGC	CGCGCACTCGTCTGCTGCCCTGCTGACTGCCCTGGCACTG	NFIF14B
1	ATGGCGCTGGTGC	CGCGCACTCGTCTGCTGCCCTGCTGACTGCCCTGGCACTG	NFIF7A
51	CCGCTCCGGGCTCGGGGCTGCCCGTGGCGGCCCGCAGGCGGGCAGGAATCCTC		NFIF14B
51	CCGCTCCGGGCTCGGGGCTGCCCGTGGCGGCCCGCAGGCGGGCAGGAATCCTC		NFIF7A
101	CTCCGGCGGATAGGACAGTTTTTGGCATGTGACTGACTTACACTTAGACCCT		NFIF14B
101	CTCCGGCGGATAGGACAGTTTTTGGCATGTGACTGACTTACACTTAGACCCT		NFIF7A
151	ACTTACCACATCACAGATGACCACACAAAAGTGTGTGCTTTCATCTAAAGG		NFIF14B
151	ACTTACCACATCACAGATGACCACACAAAAGTGTGTGCTTTCATCTAAAGG		NFIF7A
201	TGCAAATGCCCTCCAACCCTGGGCCCTTTTGGAGATGTTCTGTGTGATTCTC		NFIF14B
201	TGCAAATGCCCTCCAACCCTGGGCCCTTTTGGAGATGTTCTGTGTGATTCTC		NFIF7A
251	CATATCAACTTATTTTTGTCAGCATTTTGATTTTATTAAAAAATTCTGGACAA		NFIF14B
251	CATATCAACTTATTTTTGTCAGCATTTTGATTTTATTAAAAAATTCTGGACAA		NFIF7A
301	GAAGCATCTTTTCATGATATGGACAGGGGGATAGCCCACTCATGTTCCCTGT		NFIF14B
301	GAAGCATCTTTTCATGATATGGACAGGGGGATAGCCCACTCATGTTCCCTGT		NFIF7A
351	ACCTGAACTCTCAACAGACACTGTTATAAATGTGATCACTAATATGACAA		NFIF14B
351	ACCTGAACTCTCAACAGACACTGTTATAAATGTGATCACTAATATGACAA		NFIF7A
401	CCACCATCCAGAGTCTCTTTCCAAATCTCCAGGTTTTTCCCTGCGCTGGGT		NFIF14B
401	CCACCATCCAGAGTCTCTTTCCAAATCTCCAGGTTTTTCCCTGCGCTGGGT		NFIF7A
451	AATCATGACTATTGGCCACAGGATCAACTGTCTGTAGTCACCAGTAAAGT		NFIF14B
451	AATCATGACTATTGGCCACAGG-----		NFIF7A
501	GTACAATGCAGTAGCAAACCTCTGGAAACCATGGCTAGATGAAGAAGCTA		NFIF14B
473	-----		NFIF7A
551	TTAGTACTTTAAGGAAAGGTGGTTTTTTATTCACAGAAAGTTACAACATAAT		NFIF14B
473	-----		NFIF7A
601	CCAAACCTTAGGATCATCAGTCTAAACACAAACTTGTACTACGGCCCCAAA		NFIF14B
473	-----		NFIF7A
651	TATAATGACACTGAACAAGACTGACCCAGCCCAACCAGTTTGAATGGCTAG		NFIF14B
473	-----		NFIF7A
701	AAAGTACATTGAACAACCTCTCAGCAGAATAAGGAGAAAGGTGTATATCATA		NFIF14B
473	-----TGTATATCATA		NFIF7A
751	GCACATGTTCCAGTGGGGGTATCTGCCATCTTCACAGAACATCACAGCAAT		NFIF14B
484	GCACATGTTCCAGTGGGGGTATCTGCCATCTTCACAGAACATCACAGCAAT		NFIF7A
801	GAGAGAATACTATAAATGAGAAATTGATAGATATTTTTTCAAAAATACAGTG		NFIF14B
534	GAGAGAATACTATAAATGAGAAATTGATAGATATTTTTTCAAAAAGTACAGTG		NFIF7A
851	ATGTCATTGCGAGGACAATTTTATGGACACACTCACAGAGACAGCATTATG		NFIF14B
584	ATGTCATTGCGAGGACAATTTTATGGACACACTCACAGAGACAGCATTATG		NFIF7A
901	GTTCTTTTCAGATAAAAAAAGGAAGTCCAGTAAATTCTTTGTTTTGTGGCTCC		NFIF14B
634	GTTCTTTTCAGATAAAAAAAGGAAGTCCAGTAAATTCTTTGTTTTGTGGCTCC		NFIF7A

FIGURE 3

951 TGCTGTTACACCAGTGAAGAGTGTTTTAGAAAAACAGACCAACAATCCTG NFIF14B
 684 TGCTGTTACACCAGTGAAGAGTGTTTTAGAAAAACAGACCAACAATCCTG NFIF7A
 1001 GTATCAGACTGTTTTCAGTATGATCCTCGTGATTATAAATTATTGGATATG NFIF14B
 734 GTATCAGACTGTTTTCAGTATGATCCTCGTGATTATAAATTATTGGATATG NFIF7A
 1051 TTGCAGTATTACTTTGAATCTGACAGAGGGCGAATCTAAAGGGAGAGTCCAT NFIF14B
 784 TTGCAGTATTACTTTGAATCTGACAGAGGGCGAATCTAAAGGGAGAGTCCAT NFIF7A
 1101 CTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATTGAAGATTTGC NFIF14B
 834 CTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATTGAAGATTTGC NFIF7A
 1151 AGCCGGAAAGTTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGT NFIF14B
 884 AGCCGGAAAGTTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGT NFIF7A
 1201 AAGCAGTTTATAAAAATACTACAATTACTTCTTTGTGAGTTATGACAGCAG NFIF14B
 934 AAGCAGTTTATAAAAATACTACAATTACTTCTTTGTGAGTTATGACAGCAG NFIF7A
 1251 TGTAACATGTGATAAGACATGTAAGGCCCTTTCAGATTTGTGCAATTATGA NFIF14B
 984 TGTAACATGTGATAAGACATGTAAGGCCCTTTCAGATTTGTGCAATTATGA NFIF7A
 1301 ATCTTGATAAATATTTTCCTATGCAGATTGCCTCAAACAGCTTTATATAAAG NFIF14B
 1034 ATCTTGATAAATATTTTCCTATGCAGATTGCCTCAAACAGCTTTATATAAAG NFIF7A
 1351 CACAATTACTAG NFIF14B
 1084 CACAATTACTAG NFIF7A

FIGURE 3 (CONT'D)

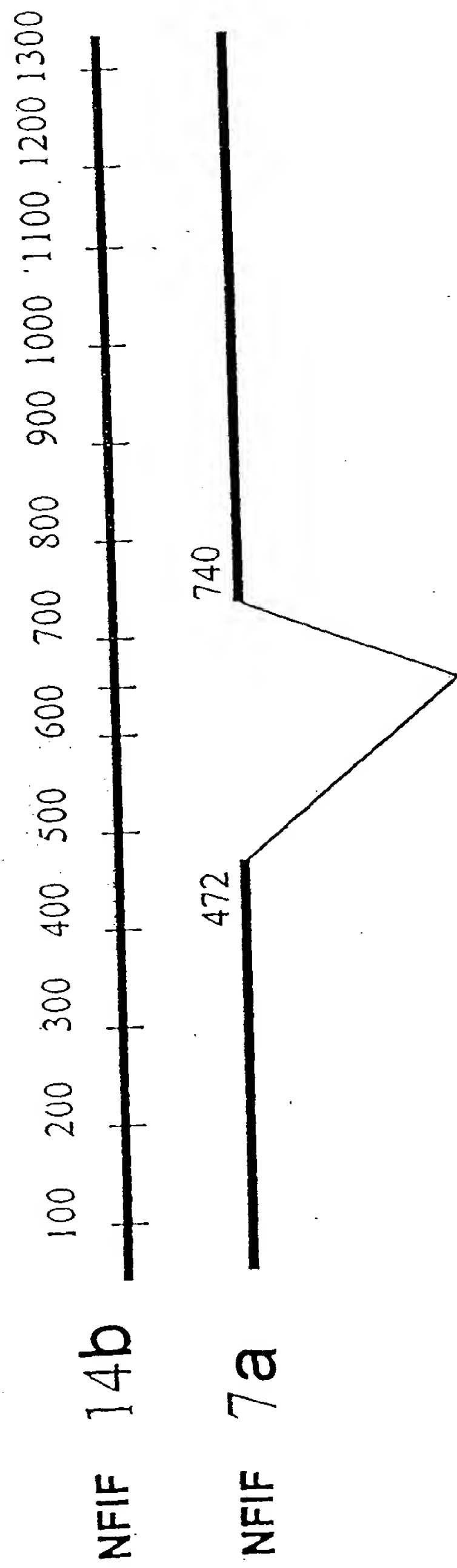


FIGURE 4

NFκB Reporter with NFIF

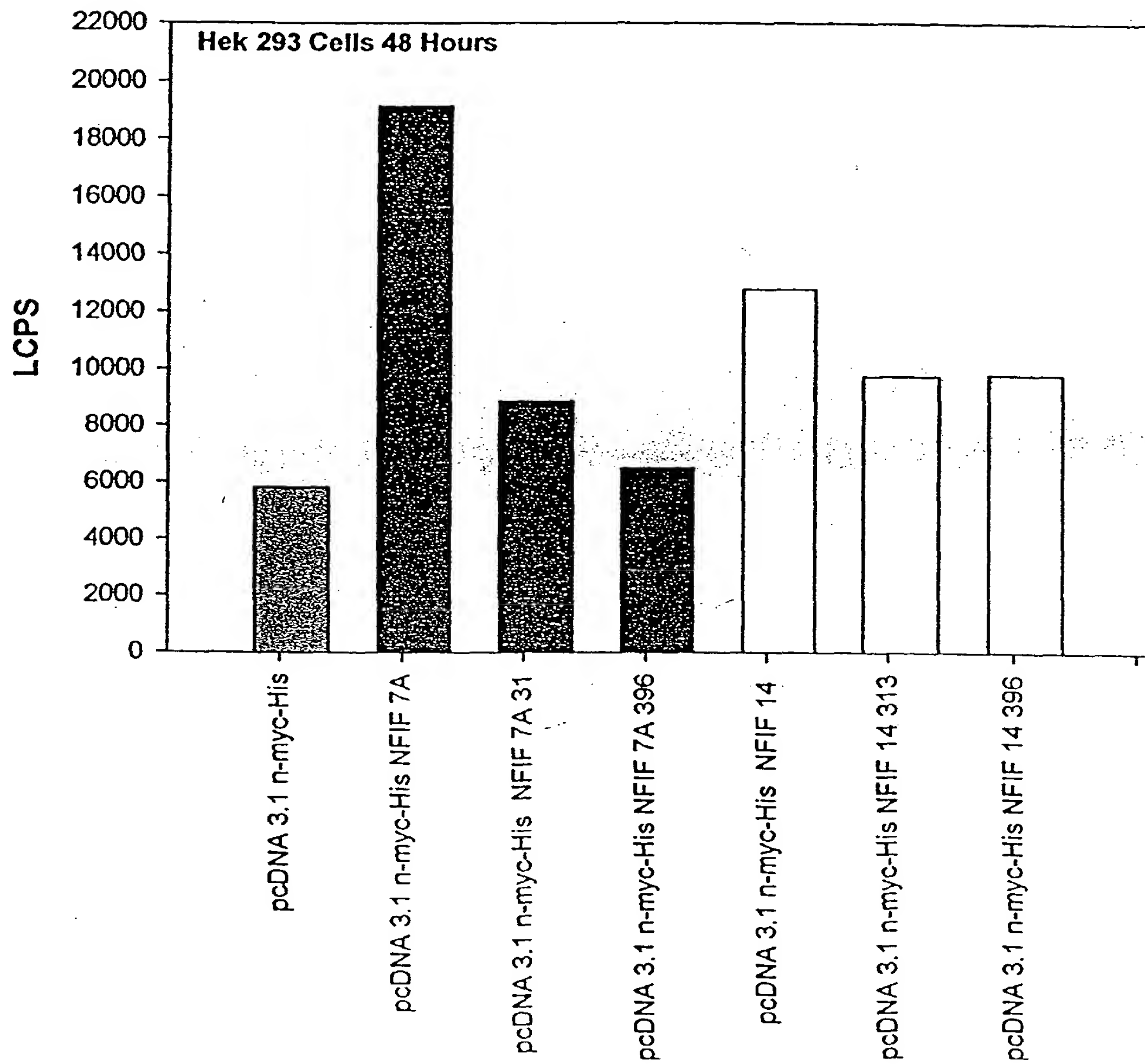


FIGURE 5

NFκB Reporter with NFIF

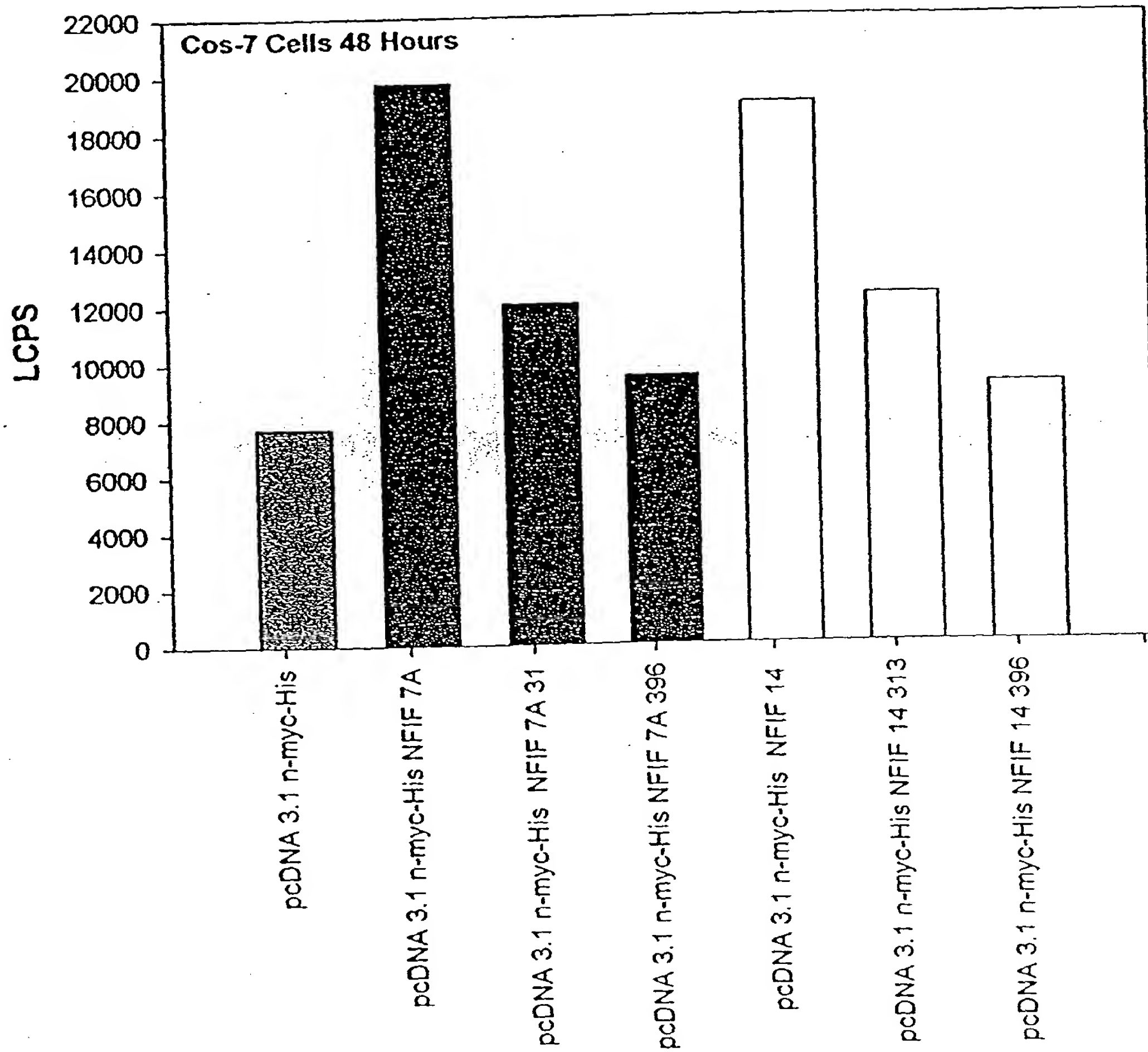


FIGURE 6

SKGANASNPFGDV

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

FIGURE 7

0300 444333 0300

brain
heart
skeletal muscle
colon
thymus
spleen
kidney
liver
small intestine
placenta
lung
pmi

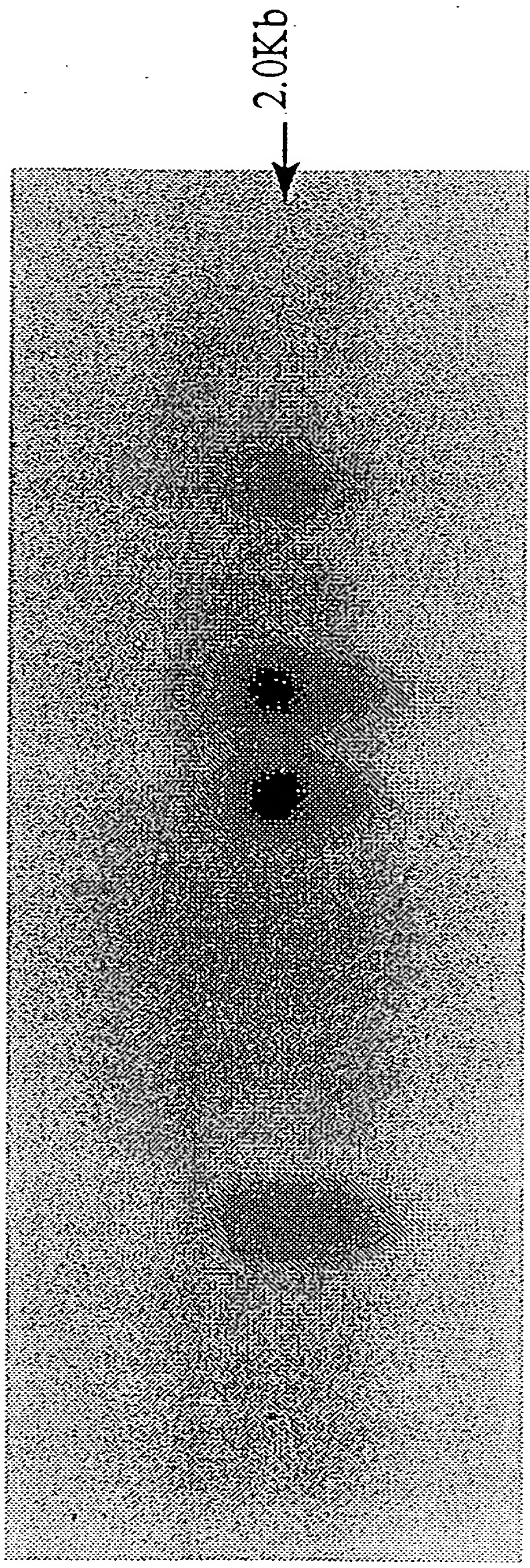


FIGURE 8